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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/032,278	12/31/2001	Jong-Hoon Yi	053785-5047	4055
9629	7590	06/28/2004	EXAMINER	
MORGAN LEWIS & BOCKIUS LLP			VESPERMAN, WILLIAM C	
1111 PENNSYLVANIA AVENUE NW			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20004			2813	

DATE MAILED: 06/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/032,278	Applicant(s) YI ET AL.	
	Examiner William C. Vesperman	Art Unit 2813	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-22 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to applicant's filing of 12/31/2001.

Election/Restrictions

2. This application contains claims directed to the following patentably distinct species of the claimed invention.

Group I

A color filter substrate for a liquid crystal display device, comprising: a substrate; a plurality of black matrix regions on the substrate, a plurality of color filter layers, each disposed between adjacent ones of the plurality of black matrix regions; a panel identification at an edge of the substrate spaced apart from the plurality of black matrix regions; the panel identification and the plurality of color filter layers including a same material; an overcoat layer on the plurality of color filter layers, and a common electrode on the overcoat layer. (Claims 1 – 5 are recommended for consideration)

Group II

A color filter substrate for a liquid crystal display device, comprising: a substrate; a plurality of black matrix regions on the substrate; a panel identification at all edge of the substrate spaced apart from the plurality of black matrix regions, the panel identification and the black matrix include a same material; a plurality of color filter layers on the substrate; an overcoat layer on the plurality of color filter layers; a common electrode on the overcoat layer, wherein a thickness of the plurality of black

matrix regions is equal to a thickness of the plurality of color filter layers. (Claims 6 and 7 are recommended for consideration)

Group III

A manufacturing method of a color filter substrate for a liquid crystal display device, comprising: forming a plurality of black matrix regions on a substrate; forming a plurality of color filter layers, each disposed between adjacent ones of the plurality of black matrix regions; forming a panel identification at an edge of the substrate spaced apart from the plurality of black matrix regions; forming an overcoat layer on the plurality of color filter layers; and forming a common electrode on the overcoat layer, wherein the panel identification and the plurality of color filter layers are formed from the same material; and wherein the process of forming a plurality of color filter layers includes ink jet printing. (Claims 8 -15 are recommended for consideration)

Group IV

A manufacturing method of a color filter substrate for a liquid crystal display device, comprising: forming a plurality of black matrix regions on a substrate; forming a plurality of color filter layers of a first material, each disposed between adjacent ones of the plurality of black matrix regions; and forming a panel identification of the first material on the substrate spaced apart from the plurality of black matrix regions. (Claims 16 – 22 are recommended for consideration)

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species from (Group I or Group II) and (Group III or Group IV) for prosecution on the merits to which

the claims shall be restricted if no generic claim is finally held to be allowable.

Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Vesperman whose telephone number is 571-272-1701. The examiner can normally be reached on Mon. - Fri., 8:00 - 4:30.

Art Unit: 2813

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl White, Jr. can be reached on 571-272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Art Unit 2813

June 16, 2004


JACK CHEN
PRIMARY EXAMINER